

SEQUENCE LISTING

<110> Yutaka KANDA
Mitsuo SATOH
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Kazuhisa UCHIDA
Toyohide SHINKAWA
Naoko YAMANE
Motoo YAMASAKI
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<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 11
ctccaattat gaatttatta gtg 23

<210> 12
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 12
ggatgtttga agccaagctt cttgg 25

<210> 13
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 13
gtccatggtg atcctgcagt gtgg 24

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 14
caccaatgat atctccaggt tcc 23

<210> 15
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 15
gatatcgctg cgctcgttgt cgac

24

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 16
caggaaggaa ggctggaaaa gagg

24

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 17
gatatcgctg cgctcgttgt cgac

24

<210> 18
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 18
caggaaggaa ggctggaaga gagg

24

<210> 19
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 19
atgcgggcat ggactggttc ctgg

24

<210> 20
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 20
ctatttttca gcttcaggat atgtggg

27

<210> 21
<211> 24
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 21

gtctgaagca ttatgtgttg aagc

24

<210> 22

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 22

gtgagtacat tcattgtact gtg

23

<210> 23

<211> 575

<212> PRT

<213> Cricetulus griseus

<400> 23

Met Arg Ala Trp Thr Gly Ser Trp Arg Trp Ile Met Leu Ile Leu Phe
1 5 10 15

Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
20 25 30

Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
35 40 45

Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
50 55 60

Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
65 70 75 80

Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
85 90 95

Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Asp Leu Gly Lys Asp His
100 105 110

Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
115 120 125

Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Lys Leu Glu Gly Asn Glu
130 135 140

Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
145 150 155 160

Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
165 170 175

Gly Glu Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
180 185 190

Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
195 200 205

Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
210 215 220

<210> 24
 <211> 575
 <212> PRT
 <213> Mus musculus

<400> 24

Met Arg Ala Trp Thr Gly Ser Trp Arg Trp Ile Met Leu Ile Leu Phe
 1 5 10 15
 Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
 20 25 30
 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
 35 40 45
 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
 50 55 60
 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
 65 70 75 80
 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
 85 90 95
 Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Gly Leu Gly Lys Asp His
 100 105 110
 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
 115 120 125
 Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys His Leu Glu Gly Asn Glu
 130 135 140
 Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
 145 150 155 160
 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
 165 170 175
 Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
 180 185 190
 Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
 195 200 205
 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
 210 215 220
 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
 225 230 235 240
 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
 245 250 255
 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
 260 265 270
 Ser Thr Gly His Trp Ser Gly Glu Val Asn Asp Lys Asn Ile Gln Val
 275 280 285
 Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
 290 295 300
 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
 305 310 315 320
 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
 325 330 335

Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
 340 345 350
 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
 355 360 365
 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
 370 375 380
 His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
 385 390 395 400
 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Thr Leu Leu Lys Glu
 405 410 415
 Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
 420 425 430
 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
 435 440 445
 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
 450 455 460
 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
 465 470 475 480
 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
 485 490 495
 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
 500 505 510
 His Lys Pro Arg Thr Glu Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
 515 520 525
 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Ile Asn
 530 535 540
 Arg Lys Leu Gly Lys Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
 545 550 555 560
 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
 565 570 575

<210> 25
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 25
 Asp Glu Ser Ile Tyr Ser Asn Tyr Tyr Leu Tyr Glu Ser Ile Pro Lys
 1 5 10 15

Pro Cys

<210> 26
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA

<400> 26

cttgtgtgac tcttaactct cagag

25

<210> 27

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 27

ccctcgagat aacttcgtat agc

23

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 28

ggtaggcctc actaactg

18

<210> 29

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 29

catagaaaca agtaacaaca gccag

25

<210> 30

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 30

gagacttcag cccacttcaa ttattggc

28

<210> 31

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 31

gaggccactt gtgtagcgcc aagtg

25

<210> 32

<211> 24

<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 32
aggaaggtgg cgctcatcac gggc 24

<210> 33
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 33
taaggccaca agtcttaatt gcatcc 26

<210> 34
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 34
caggggtgtt cccttgagga ggtggaa 27

<210> 35
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 35
cccctcacgc atgaagcctg gag 23

<210> 36
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 36
ggcaggagac caccttgcca gtgcccac 28

<210> 37
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 37
ggcgctggct taccgggaga ggaatggg 28

<210> 38

<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 38
aaaaggcctc agttagtgaa ctgtatgg 28

<210> 39
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 39
cgcggatcct caagcgttgg gttggtcc 29

<210> 40
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 40
cccaagcttg ccaccatggc tcacgctccc gctagctgcc cgagc 45

<210> 41
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 41
ccggaattct gccaaagtatg agccatcctg g 31

<210> 42
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 42
gccatccaga aggtggt 17

<210> 43
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 43

gtcttgtcag ggaagat

17

<210> 44

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 44

ggcaggagac caccttgcga gtgcccac

28

<210> 45

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 45

gggtgggctg taccttctgg aacagggc

28

<210> 46

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 46

ggcgtggct tacccggaga ggaatggg

28

<210> 47

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 47

ggaatgggtg tttgtctctc caaagatgc

28

<210> 48

<211> 1316

<212> DNA

<213> Cricetulus griseus

<400> 48

gccccgcccc ctccacctgg accgagagta gctggagaat tgtgcaccgg aagtagctct 60
tggactgggtg gaaccctgcg cagggtgcagc aacaatgggt gagccccagg gatccaggag 120
gatacctagt acagggggct ctggactggt gggcagagct atccagaagg tggtcgcaga 180
tggcgtggc ttaccggag aggaatgggt gttgtctcc tccaaagatg cagatctgac 240
ggatgcagca caaaccaag cctgttcca gaaggtacag cccacccatg tcatccatct 300
tgctgcaatg gtaggaggcc tttccggaa tatcaaatac aacttgatt tctggaggaa 360

gaatgtgcac atcaatgaca acgtcctgca ctcagctttc gaggtgggca ctgcaaggt 420
 ggtctcctgc ctgtccacct gtatcttccc tgacaagacc acctatccta ttgatgaaac 480
 aatgatccac aatggtccac cccacagcag caattttggg tactcgtatg ccaagaggat 540
 gattgacgtg cagaacaggg cctacttcca gcagcatggc tgcaccttca ctgctgtcat 600
 ccctaccaat gtcitttgac ctcatgacaa cttcaacatt gaagatggcc atgtgctgcc 660
 tggcctcatc cataaggtgc atctggccaa gtagtaatgtg tcagccttga ctgtttgggg 720
 tacagggaaa ccacggaggc agttcatcta ctcactggac ctagcccggc tcttcatctg 780
 ggtcctgcgg gagtacaatg aagttgagcc catcatcctc tcagtgggcg aggaagatga 840
 agtctccatt aaggaggcag ctgaggctgt agtggaggcc atggacttct gtggggaagt 900
 cacttttgat tcaacaaagt cagatgggca gtataagaag acagccagca atggcaagct 960
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 tgcttggttc accgacaact atgagcaggc ccggaagtga agcatgggac aagcgggtgc 1080
 tcagctggca atgcccagtc agtaggctgc agtctcatca ttgtcttgc aagaactgag 1140
 gacagtatcc agcaacctga gccacatgct ggtctctctg ccagggggct tcatgcagcc 1200
 atccagtagg gcccatgttt gtccatcctc gggggaaggc cagaccaaca ccttgtttgt 1260
 ctgcttctgc cccaacctca gtgcatccat gctggctctg ctgtcccttg tctaga 1316

<210> 49
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA

<400> 49
 gatcctgctg ggacccaaat tgg 23

<210> 50
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA

<400> 50
 cttaacatcc caagggatgc tg 22

<210> 51
 <211> 1965
 <212> DNA
 <213> Cricetulus griseus

<400> 51
 acggggggct cccggaagcg gggaccatgg cgtctctgcg cgaagcgagc ctgcggaagc 60
 tgcggcgctt ttccgagatg agaggcaaac ctgtggcaac tgggaaattc tgggatgtag 120

ttgtaataac agcagctgac gaaaagcagg agcttgctta caagcaacag ttgtcggaga 180
 agctgaagag aaaggaattg ccccttgagg ttaactacca tgttttcact gatcctcctg 240
 gaacccaaat tggaaatgga ggatcaacac tttgttctct tcagtgcctg gaaagcctct 300
 atggagacaa gtggaattcc ttcacagtc tgtaattca ctctggtggc tacagtcaac 360
 gacttcccaa tgcaagcgt ttaggaaaaa tcttcacggc tttaccactt ggtgagccca 420
 tttatcagat gttggactta aaactagcca tgtacatgga tttcccctca cgcataaagc 480
 ctggagtttt ggtcacctgt gcagatgata ttgaactata cagcattggg gactctgagt 540
 ccattgcatt tgagcagcct ggctttactg ccctagccca tccatctagt ctggctgtag 600
 gcaccacaca tggagtatit gtattggact ctgccggttc ttgcaacat ggtgacctag 660
 agtacaggca atgccacgt ttcctccata agcccagcat tgaaaacatg caccacttta 720
 atgccgtgca tagactagga agctttggtc aacaggactt gagggggggt gacaccacct 780
 gtcacccatt gcaactctgag tatgtctaca cagatagcct attttacatg gatcataaat 840
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 cctatggtga ctttctgcag gcaactgggac ctggagcaac tgcagagtac accaagaaca 960
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 gaacaacgga ggagtatctg ctacatttca ctccaatgg ttcgttacag gcagagctgg 1140
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 cctgtgtcat tcacagcatc ctgaattcag gatgctgtgt ggcccctggc tcagtggtag 1260
 aatattccag attaggacct gaggtgtcca tctcgaaaaa ctgcattatc agcgttctg 1320
 tcatagaaaa agctgttctg ccccatgtt ctttctgtg ctctttaagt gtggagataa 1380
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 ttaaaacat atcagatata aagatgcttc agttcttgg agtctgttct ctgacttgtt 1500
 tagatatttg gaaccttaaa gctatggaag aactatttct aggaagtaag acgcagctga 1560
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 ccttgggat gttaaagcc attcgaaacc attgccatt cagcctgagc aacttcaagc 1680
 tgctgtccat ccaggaaatg cttctctgca aagatgtagg agacatgctt gcttacaggg 1740
 agcaactctt tctagaaatc agttcaaaga gaaaacagtc tgattcggag aaatcttaaa 1800
 tacaatggat ttgacctgga aacaggattg caaatgcagg catattctat agatctctgg 1860
 gttcttctt ctttctcccc tctctctt ctttccctt tgatgtaatg acaaaggtaa 1920
 aaatggccac ttctgatgga aaaaaaaaaa aaaaaaaaaa aaaaa 1965

<210> 52
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 52
 caggggtgtt cccttgagga ggtggaa 27
 <210> 53
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 53
 cactgagcca ggggccacac agcatcc 27
 <210> 54
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 54
 cccctcacgc atgaagcctg gag 23
 <210> 55
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 55
 tgccaccgtt tcctccataa gcccagc 27
 <210> 56
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 56
 atggctcaag ctcccgctaa gtgcccga 28
 <210> 57
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 <400> 57
 tcaagcgttt gggttgtgcc tcatgag 27
 <210> 58

<211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 58
 tccggggatg gcgagatggg caagc 25

 <210> 59
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 59
 ctgacatgg ctctgggctc caag 24

 <210> 60
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 60
 ccacttcagt cggtcggtag tattt 25

 <210> 61
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 61
 cgctcaccog cctgaggcga catg 24

 <210> 62
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 62
 ggcaggtgct gtcggtgagg tcaccatagt gc 32

 <210> 63
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA

 <400> 63

ggggccatgc caaggactat gtcg

24

<210> 64

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 64

atgtggctga tggtacaaaa tgatg

25

<210> 65

<211> 1504

<212> DNA

<213> Cricetulus griseus

<220>

<221> CDS

<222> (1)..(1119)

<400> 65

atg gct cac gct ccc gct agc tgc ccg agc tcc agg aac tct ggg gac 48
Met Ala His Ala Pro Ala Ser Cys Pro Ser Ser Arg Asn Ser Gly Asp
1 5 10 15

ggc gat aag ggc aag ccc agg aag gtg gcg ctc atc acg ggc atc acc 96
Gly Asp Lys Gly Lys Pro Arg Lys Val Ala Leu Ile Thr Gly Ile Thr
20 25 30

ggc cag gat ggc tca tac ttg gca gaa ttc ctg ctg gag aaa gga tac 144
Gly Gln Asp Gly Ser Tyr Leu Ala Glu Phe Leu Leu Glu Lys Gly Tyr
35 40 45

gag gtt cat gga att gta cgg cga tcc agt tca ttt aat aca ggt cga 192
Glu Val His Gly Ile Val Arg Arg Ser Ser Ser Phe Asn Thr Gly Arg
50 55 60

att gaa cat tta tat aag aat cca cag gct cat att gaa gga aac atg 240
Ile Glu His Leu Tyr Lys Asn Pro Gln Ala His Ile Glu Gly Asn Met
65 70 75 80

aag ttg cac tat ggt gac ctc acc gac agc acc tgc cta gta aaa atc 288
Lys Leu His Tyr Gly Asp Leu Thr Asp Ser Thr Cys Leu Val Lys Ile
85 90 95 100

atc aat gaa gtc aaa cct aca gag atc tac aat ctt ggt gcc cag agc 336
Ile Asn Glu Val Lys Pro Thr Glu Ile Tyr Asn Leu Gly Ala Gln Ser
105 110 115

cat gtc aag att tcc ttt gac tta gca gag tac act gca gat gtt gat 384
His Val Lys Ile Ser Phe Asp Leu Ala Glu Tyr Thr Ala Asp Val Asp
120 125 130

gga gtt ggc acc ttg cgg ctt ctg gat gca att aag act tgt ggc ctt 432
Gly Val Gly Thr Leu Arg Leu Leu Asp Ala Ile Lys Thr Cys Gly Leu
135 140 145

ata aat tct gtg aag ttc tac cag gcc tca act agt gaa ctg tat gga 480
Ile Asn Ser Val Lys Phe Gln Ala Ser Thr Ser Glu Leu Tyr Gly
150 155 160

aaa gtg caa gaa ata ccc cag aaa gag acc acc cct ttc tat cca agg 528
Lys Val Gln Glu Ile Pro Gln Lys Glu Thr Pro Phe Tyr Pro Arg
165 170 175 180

tcg ccc tat gga gca gcc aaa ctt tat gcc tat tgg att gta gtg aac	576
Ser Pro Tyr Gly Ala Ala Lys Leu Tyr Ala Tyr Trp Ile Val Val Asn	
185 190 195	
ttt cga gag gct tat aat ctc ttt gcg gtg aac ggc att ctc ttc aat	624
Phe Arg Glu Ala Tyr Asn Leu Phe Ala Val Asn Gly Ile Leu Phe Asn	
200 205 210	
cat gag agt cct aga aga gga gct aat ttt gtt act cga aaa att agc	672
His Glu Ser Pro Arg Arg Gly Ala Asn Phe Val Thr Arg Lys Ile Ser	
215 220 225	
cgg tca gta gct aag att tac ctt gga caa ctg gaa tgt ttc agt ttg	720
Arg Ser Val Ala Lys Ile Tyr Leu Gly Gln Leu Glu Cys Phe Ser Leu	
230 235 240	
gga aat ctg gac gcc aaa cga gac tgg ggc cat gcc aag gac tat gtc	768
Gly Asn Leu Asp Ala Lys Arg Asp Trp Gly His Ala Lys Asp Tyr Val	
245 250 255 260	
gag gct atg tgg ctg atg tta caa aat gat gaa cca gag gac ttt gtc	816
Glu Ala Met Trp Leu Met Leu Gln Asn Asp Glu Pro Glu Asp Phe Val	
265 270 275	
ata gct act ggg gaa gtt cat agt gtc cgt gaa ttt gtt gag aaa tca	864
Ile Ala Thr Gly Glu Val His Ser Val Arg Glu Phe Val Glu Lys Ser	
280 285 290	
ttc atg cac att gga aag acc att gtg tgg gaa gga aag aat gaa aat	912
Phe Met His Ile Gly Lys Thr Ile Val Trp Glu Gly Lys Asn Glu Asn	
295 300 305	
gaa gtg ggc aga tgt aaa gag acc ggc aaa att cat gtg act gtg gat	960
Glu Val Gly Arg Cys Lys Glu Thr Gly Lys Ile His Val Thr Val Asp	
310 315 320	
ctg aaa tac tac cga cca act gaa gtg gac ttc ctg cag gga gac tgc	1008
Leu Lys Tyr Tyr Arg Pro Thr Glu Val Asp Phe Leu Gln Gly Asp Cys	
325 330 335 340	
tcc aag gcg cag cag aaa ctg aac tgg aag ccc cgc gtt gcc ttt gac	1056
Ser Lys Ala Gln Gln Lys Leu Asn Trp Lys Pro Arg Val Ala Phe Asp	
345 350 355	
gag ctg gtg agg gag atg gtg caa gcc gat gtg gag ctc atg aga acc	1104
Glu Leu Val Arg Glu Met Val Gln Ala Asp Val Glu Leu Met Arg Thr	
360 365 370	
aac ccc aac gcc tga gcacctctac aaaaaaattc gcgagacatg gactatggtg	1159
Asn Pro Asn Ala	
375	
cagagccagc caaccagagt ccagccactc ctgagaccat cgaccataaa cctcgactg	1219
cctgtgtcgt cccacagct aagagctggg ccacaggttt gtgggcacca ggacggggac	1279
actccagagc taaggccact tcgcttttgt caaaggctcc totcaatgat tttgggaaat	1339
caagaagtgtt aaatcacat actcatttta cttgaaatta tgtcactaga caacttaaat	1399
ttttgagtct tgagattgtt tttctttttt cttattaaat gatctttcta tgaccagca	1459
aaaaaaaaa aaaaaaggga tataaaaaaa aaaaaaaaaa aaaaa	1504

<210> 66

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 66
atgaagttgc actatggtga cctca 25

<210> 67
<211> 59
<212> DNA
<213> Cricetulus griseus

<400> 67
ccgacagcac ctgcctagta aaaatcatca atgaagtcaa acctacagag atctacaat 59

<210> 68
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 68
gacttagcag agtacactgc agatg 25

<210> 69
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 69
accttgata gaaaggggtg gtctc 25

<210> 70
<211> 125
<212> DNA
<213> Cricetulus griseus

<400> 70
ttgatggagt tggcaccttg cggcttctgg atgcaattaa gacttgtggc cttataaatt 60
ctgtgaagtt ctaccaggcc tcaactagtg aactgtatgg aaaagtgcaa gaaataccccc 120
agaaa 125

<210> 71
<211> 376
<212> PRT
<213> Cricetulus griseus

<400> 71
Met Ala His Ala Pro Ala Ser Cys Pro Ser Ser Arg Asn Ser Gly Asp
1 5 10 15
Gly Asp Lys Gly Lys Pro Arg Lys Val Ala Leu Ile Thr Gly Ile Thr
20 25 30
Gly Gln Asp Gly Ser Tyr Leu Ala Glu Phe Leu Leu Glu Lys Gly Tyr
35 40 45
Glu Val His Gly Ile Val Arg Arg Ser Ser Ser Phe Asn Thr Gly Arg
50 55 60
Ile Glu His Leu Tyr Lys Asn Pro Gln Ala His Ile Glu Gly Asn Met

65	70	75	80
Lys 85	Leu His Tyr Gly Asp 90	Leu Thr Asp Ser Thr 95	Cys Leu Val Lys Ile 100
Ile Asn Glu Val 105	Lys Pro Thr Glu Ile 110	Tyr Asn Leu Gly Ala Gln Ser 115	
His Val Lys 120	Ile Ser Phe Asp Leu Ala 125	Glu Tyr Thr Ala Asp Val Asp 130	
Gly Val Gly 135	Thr Leu Arg Leu Leu Asp Ala 140	Ile Lys Thr Cys Gly Leu 145	
Ile Asn Ser Val Lys Phe 150	Tyr Gln Ala Ser Thr Ser 155	Glu Leu Tyr Gly 160	
Lys Val Gln Glu Ile 165	Pro Gln Lys Glu Thr Thr 170	Pro Phe Tyr Pro Arg 175	180
Ser Pro Tyr Gly 185	Ala Ala Lys Leu Tyr Ala 190	Tyr Trp Ile Val Val Asn 195	
Phe Arg Glu Ala 200	Tyr Asn Leu Phe Ala Val Asn Gly 205	Ile Leu Phe Asn 210	
His Glu Ser 215	Pro Arg Arg Gly Ala Asn Phe Val Thr Arg 220	Lys Ile Ser 225	
Arg Ser Val Ala Lys Ile 230	Tyr Leu Gly Gln Leu Glu 235	Cys Phe Ser Leu 240	
Gly Asn Leu Asp Ala 245	Lys Arg Asp Trp Gly His Ala Lys Asp Tyr Val 250		260
Glu Ala Met Trp 265	Leu Met Leu Gln Asn Asp Glu Pro Glu Asp Phe Val 270		275
Ile Ala Thr 280	Gly Glu Val His Ser Val Arg Glu Phe Val Glu Lys Ser 285		290
Phe Met His 295	Ile Gly Lys Thr Ile Val Trp Glu Gly Lys Asn Glu Asn 300		305
Glu Val Gly Arg Cys Lys 310	Glu Thr Gly Lys Ile His Val Thr Val Asp 315		320
Leu Lys Tyr Tyr Arg 325	Pro Thr Glu Val Asp Phe Leu Gln Gly Asp Cys 330		340
Ser Lys Ala Gln 345	Gln Lys Leu Asn Trp Lys Pro Arg Val Ala Phe Asp 350		355
Glu Leu Val Arg 360	Glu Met Val Gln Ala Asp Val Glu Leu Met Arg Thr 365		370
Asn Pro Asn Ala 375			

<210> 72
 <211> 321
 <212> PRT
 <213> Cricetulus griseus

<400> 72
 Met Gly Glu Pro Gln Gly Ser Arg Arg Ile Leu Val Thr Gly Gly Ser
 1 5 10 15

Gly Leu Val Gly Arg Ala Ile Gln Lys Val Val Ala Asp Gly Ala Gly
 20 25 30
 Leu Pro Gly Glu Glu Trp Val Phe Val Ser Ser Lys Asp Ala Asp Leu
 35 40 45
 Thr Asp Ala Ala Gln Thr Gln Ala Leu Phe Gln Lys Val Gln Pro Thr
 50 55 60
 His Val Ile His Leu Ala Ala Met Val Gly Gly Leu Phe Arg Asn Ile
 65 70 75 80
 Lys Tyr Asn Leu Asp Phe Trp Arg Lys Asn Val His Ile Asn Asp Asn
 85 90 95
 Val Leu His Ser Ala Phe Glu Val Gly Thr Arg Lys Val Val Ser Cys
 100 105 110
 Leu Ser Thr Cys Ile Phe Pro Asp Lys Thr Thr Tyr Pro Ile Asp Glu
 115 120 125
 Thr Met Ile His Asn Gly Pro Pro His Ser Ser Asn Phe Gly Tyr Ser
 130 135 140
 Tyr Ala Lys Arg Met Ile Asp Val Gln Asn Arg Ala Tyr Phe Gln Gln
 145 150 155 160
 His Gly Cys Thr Phe Thr Ala Val Ile Pro Thr Asn Val Phe Gly Pro
 165 170 175
 His Asp Asn Phe Asn Ile Glu Asp Gly His Val Leu Pro Gly Leu Ile
 180 185 190
 His Lys Val His Leu Ala Lys Ser Asn Gly Ser Ala Leu Thr Val Trp
 195 200 205
 Gly Thr Gly Lys Pro Arg Arg Gln Phe Ile Tyr Ser Leu Asp Leu Ala
 210 215 220
 Arg Leu Phe Ile Trp Val Leu Arg Glu Tyr Asn Glu Val Glu Pro Ile
 225 230 235 240
 Ile Leu Ser Val Gly Glu Glu Asp Glu Val Ser Ile Lys Glu Ala Ala
 245 250 255
 Glu Ala Val Val Glu Ala Met Asp Phe Cys Gly Glu Val Thr Phe Asp
 260 265 270
 Ser Thr Lys Ser Asp Gly Gln Tyr Lys Lys Thr Ala Ser Asn Gly Lys
 275 280 285
 Leu Arg Ala Tyr Leu Pro Asp Phe Arg Phe Thr Pro Phe Lys Gln Ala
 290 295 300
 Val Lys Glu Thr Cys Ala Trp Phe Thr Asp Asn Tyr Glu Gln Ala Arg
 305 310 315 320
 Lys

<210> 73
 <211> 590
 <212> PRT
 <213> Cricetulus griseus

<400> 73
 Met Ala Ser Leu Arg Glu Ala Ser Leu Arg Lys Leu Arg Arg Phe Ser

Ala Glu Leu Gly Leu Gln Ser Ile Ala Phe Ser Val Phe Pro Asn Val
 370 375 380
 Pro Glu Asp Ser His Glu Lys Pro Cys Val Ile His Ser Ile Leu Asn
 385 390 395 400
 Ser Gly Cys Cys Val Ala Pro Gly Ser Val Val Glu Tyr Ser Arg Leu
 405 410 415
 Gly Pro Glu Val Ser Ile Ser Glu Asn Cys Ile Ile Ser Gly Ser Val
 420 425 430
 Ile Glu Lys Ala Val Leu Pro Pro Cys Ser Phe Val Cys Ser Leu Ser
 435 440 445
 Val Glu Ile Asn Gly His Leu Glu Tyr Ser Thr Met Val Phe Gly Met
 450 455 460
 Glu Asp Asn Leu Lys Asn Ser Val Lys Thr Ile Ser Asp Ile Lys Met
 465 470 475 480
 Leu Gln Phe Phe Gly Val Cys Phe Leu Thr Cys Leu Asp Ile Trp Asn
 485 490 495
 Leu Lys Ala Met Glu Glu Leu Phe Ser Gly Ser Lys Thr Gln Leu Ser
 500 505 510
 Leu Trp Thr Ala Arg Ile Phe Pro Val Cys Ser Ser Leu Ser Glu Ser
 515 520 525
 Val Ala Ala Ser Leu Gly Met Leu Asn Ala Ile Arg Asn His Ser Pro
 530 535 540
 Phe Ser Leu Ser Asn Phe Lys Leu Leu Ser Ile Gln Glu Met Leu Leu
 545 550 555 560
 Cys Lys Asp Val Gly Asp Met Leu Ala Tyr Arg Glu Gln Leu Phe Leu
 565 570 575
 Glu Ile Ser Ser Lys Arg Lys Gln Ser Asp Ser Glu Lys Ser
 580 585 590